

# international journal of electrical engineering education

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# Notes to contributors

the benefit of readers and potential contributors, the main divisions of the *Journal's* contribution to electrical engineering education are summarized below. This list is not intended to be exhaustive.

Articles which describe methods for the presentation of new topics in electrical engineering or fresh aspects of teaching of traditional subject matter. The level of these articles will vary considerably. Some will cater for the needs of the Technical Colleges, others for Universities, while some will be directed towards teaching at the post-graduate level. Sequential articles will be encouraged. While English is to be preferred language, articles in other languages will be accepted. In any event a brief abstract in English will be required of authors. Abstracts of papers will also be given in French, German and Spanish. While authors will receive no payment for their contributions, they will be provided with a number of reprints.

Accounts of laboratory experiments. These should describe new techniques for dealing with traditional subjects, or alternatively should illustrate new or expanding branches of electrical engineering. The accounts may be presented in one of two ways.

A complete, though concise, description, sufficient to enable the experiment to be set up in any teaching laboratory.

A brief 'Abstract' to be included in the *Journal*, accompanied by a complete Report not intended for publication.

The *Journal* provides a service whereby those interested in particular reports which have appeared in the *Bulletin* of the *Journal* may borrow copies of the complete report. This is more appropriate, for example, when the number of diagrams makes it impossible to adopt procedure (a). This service is free to subscribers.

Articles which discuss the object, content and organization of part-time, sandwich, undergraduate, and postgraduate courses in technical colleges and universities in various parts of the world. Such articles should not be purely factual accounts, but should attempt to justify and assess such courses so that others are able to profit from the experience reported.

The pace of development in electrical engineering education, in common with other aspects of technical and scientific education, is now very rapid. Little attention has been paid in the past to covering these new developments. Not all of the interesting experiments and advances arise directly as the result of university and college activities. Where there has been industrial or governmental initiative it is hoped to encourage publication of the details.

In addition to the purely technical aspects of electrical engineering education, the Editors wish to encourage material relating to new features in industrial-university relationships, seminars, training schemes and graduate certificate courses.

Articles which describe research, provided that the topic has direct relevance to education at the undergraduate and postgraduate level. There are many examples where successful research projects have led to new laboratory teaching experiments. This is particularly applicable where special apparatus and laboratories have been established in universities and other research institutes.

Short accounts of advanced and graduate lecture courses, particularly where these include sets of lecture notes that can be borrowed as in (2b).

Reports of educational conferences. The Editors propose to report on the proceedings of major educational conferences wherever they are taking place throughout the world through the International Advisory Panel. One or other of the Editors will probably be present at the more important European meetings.

Book Reviews. It is proposed to provide comprehensive and searching book reviews. The aim will be to assist especially those who are anxious to assess the desirability or otherwise of a particular volume to their facet of education. Quarterly publication will ensure prompt review of books. Publishing houses are invited to submit books for review.

For members lecturing for the first time on a new topic often find a need for guidance as to the most appropriate book in a particular field. To assist them it is hoped to encourage publishers to submit publications on various selected topics to the Editors so that survey reviews may be provided in these special fields.

(8) Equipment Reviews. In addition to the review of books, it is proposed to review, in a critical fashion, items of equipment intended as teaching aids. These teaching aids, laboratory experiments and demonstrations are being manufactured commercially to an increasing extent. Manufacturers are invited to submit items for review.

(9) Letters to the Editor. The Editors welcome correspondence connected with articles in the *Journal* and related topics.

#### Subscription rates for Volume 7

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an introduction to computer programming

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practical programming

by P. N. Corlett and J. D. Tinsley

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a contemporary view of elementary physics

by S. Borowitz and L. A. Bornstein

electrostatics

by A. D. Moore

kinematics of nuclear reactions

by A. Michalowicz

magnetism and magnetic materials

by J. C. Anderson

the physics of modern electronics

by W. A. Günther

earth conduction effects in transmission systems (2nd edn.)

by Erling D. Sunde

electromagnetic waves and radiating systems (2nd edn.)

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statistical theory of signal detection (2nd edn.)

by Carl W. Helstrom

an introduction to random signals and communication theory

by B. P. Lathi



control theory for engineers

by P. Atkinson

introduction to control theory for engineers

by A. Sensice

concepts of linear systems and controls

by R. W. Newcomb

fundamental theory of servomechanisms

by LeRoy A. MacColl

optimum systems control

by A. P. Sage

design of relay control systems

by Claude Polgar

temperature control

by Myer Kutz

mathematical modelling of physical networks

by W. A. Blackwell

theory of linear active networks

by E. S. Kuh and R. A. Rohrer

theory and design of active rc circuits

by L. P. Heulsman

semiconductors Vol. II, linear circuits (trans.)

by E. J. Cassagnol

transistor circuits and applications

by Laurence G. Cowles

electronic devices and circuits

by G. J. Pridham

colour receiver techniques

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low-noise microwave amplifiers

by H. N. Daglish, J. G. Armstrong, J. C. Walling and C. A. P. Foxell

an introduction to microelectronic systems

by William Gosling

the performance of electrical machines

by A. R. Daniels

electrical variable-speed drives  
published by Engineering Equipment Users Association

electric traction systems and equipment  
by D. W. Hinde and M. Hinde

Energieverteilung für Elektrotechniker  
by H. Lau and W. Hardt

symmetrical components  
by L. J. Myatt

problems in electrical engineering (power engineering and electronics) with answers (8th. edn.)  
by N. N. Parker-Smith

electrical installation work (4th edn.)  
by T. G. Francis

das Fachwissen des Ingenieurs  
by Carl Hayser

school of engineering, university college of Swansea, Wales, U.K.  
edited by R. O. Dunmore

the early history of the electron microscope  
by L. Marton

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by J. R. Pierce

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by V. F. Lenzen

anglo-american microelectronics data 1968-69 Vols. I and II  
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edited by the Electricity Council



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